

ABSTRACT OF THE DISCLOSURE

In a digital copying machine using a multi-beam optical system, a sensor pattern senses a light beam directed onto the photosensitive drum and generates current according to the amount of light. The current is converted into a voltage by an operational amplifier acting as a current/voltage conversion amplifier.

The output voltage of the operational amplifier is integrated by an integrator. The output of the integrator is converted into a digital signal by an A/D converter, thereby producing luminous energy sensing information. According to the luminous energy sensing information, a laser oscillator is controlled. Between the operational amplifier and integrator, a variable resistor is inserted which absorbs variations in the sensitivity of the sensor pattern or variations in the conversion characteristic of the operational amplifier.